# **EXHIBIT D**

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Employee No.

Signature

(If more than four inventors, include additional information on another copy of this form and attach to this document)

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INVENTION DISCLOSURE  Signature of Witness (es): Phoase by to obtain the agreture of the person(s) to income invention was first explained to, and understood by, me (us) on this date: [5]  The invention was first explained to, and understood by, me (us) on this date: [5]  Full hama  Signature  Wade Antoine Powell  Wade Antoine Powell  Signature  Signature  Signature  Date of Signature  Date
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Full Hame Andrew Powell Ward Powell  For hame Andrew Form State  Inventor & Home Address Information: Ill more than four inventors, include and information on a copy of this form & attach to this document)  Inventor Full Hame  Machiel Risum  Machiel Risum  Machiel Risum  Machiel Risum  Machiel Risum  OR 97222  Machiel Risum  OR 97222  Machiel Risum  Created so (includence invented PO Address? PO BOX  City State Zo  Created so (includence invented in name, site)  Created so (includence invented in name, site)  Created so (includence invented in name, site)  State Zo  Created so (includence invented in name, site)  State Zo  Created so (includence invented in name, site)  State Zo  Created so (includence invented in name, site)  State Zo  Created so (includence invented in name, site)  State Zo  Created so (includence invented in name, site)  State Zo  Created so (includence invented in name, site)  State Zo  Created so (includence invented in name, site)  State Zo  Created so (includence invented in name, site)  State Zo  Created so (includence invented in name, site)  State Zo  Created so (includence invented in name, site)  State Zo  Created so (includence invented in name, site)  State Zo  Created so (includence invented in name, site)  State Zo  Created so (includence in name, site)  Sta
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Inventor & Home Address Information: Ill more than four inventors, include actal information on a copy of this form & attach to this document)  Inventor's Full Hams  Michael Riou  State  State  Zip  City  State  OR  97222  MBraukle  Do you have a Recodenial P.O. Address? P.O. BUX.  City  City  State  Zip  City  City  State  Zip  City  City  State  Zip  City  State  Zip  City  State  Zip  City  City  State  Zip  City  City  State  Zip  City  City  City  State  Zip  City  City  City  City  City  City  City  State  Zip  City
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Inventor & Home Address Information: Ill nom than four inventors, include each information on a copy of this form & attach to this document)  Inventor's Full Name  Michael Risou  Special  12348 SE Grove Ct.  City  Milwaukite  Do you have a Recodenial P.O. Address? P.O. BOX.  City  City  State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  City State  Zo  Cit
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Mike Riou

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#### A: Description of Invention

New high throughput writing systems will require heaters to drive off moisture from the paper. This is required to achieve handleability and stacking goals for the output. Once the paper and ink is heated, the high humidity air must be collected, processed and exhausted to the atmosphere. The humid air is a mixture of water from the ink, paper, solvents from the ink, and ink aerosol. This invention uses a thermoelectric module to create a "cold plate", or cold surface that will condense the water and solvent when they come in contact with

The thermoelectric module uses electricity to create a hot and cold junction in the module. There are no moving parts, no fluids, no compressors. The amount of voltage and current can be regulated to vary the amount of power going into the system.

(See attached diagram for a schematic of system.)

#### B: Advantages of Invention:

Witnesses: Wade of Powell John Bourge

- One of the main advantages of using a thermoelectric module to create a cold surface is that there are no moving parts.
- 2) A compressor or other heat exchanger that utilizes fluid is unnecessary.
- The cooling power used can be varied with altering the amount of power going to the module.

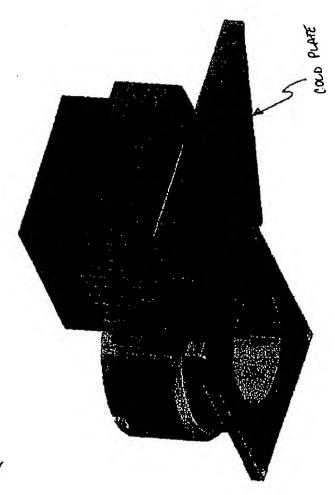
#### C: Problems Solved by the Invention:

- 1) A cold surface is created to allow water and solvents to condense out.
- Low maintenance solution no moving parts to wear out.

#### D: Prior Solutions and their Disadvantages:

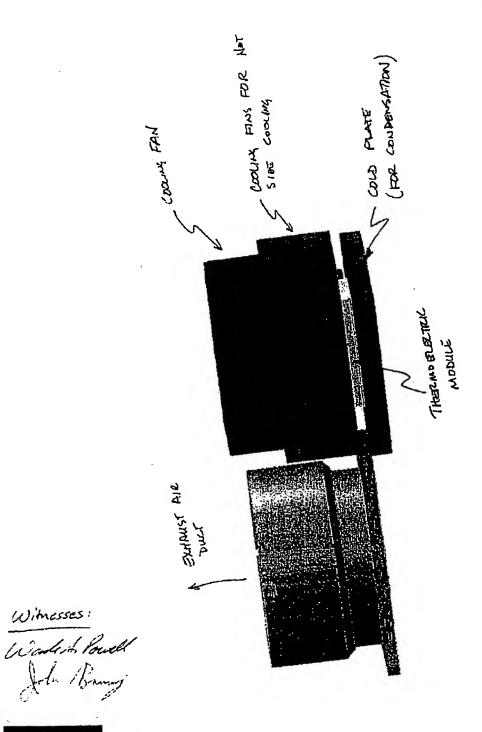
The only solution I know of is an aerosol fan to remove air from the interior of the printer. We have never cooled or condensed vapour.

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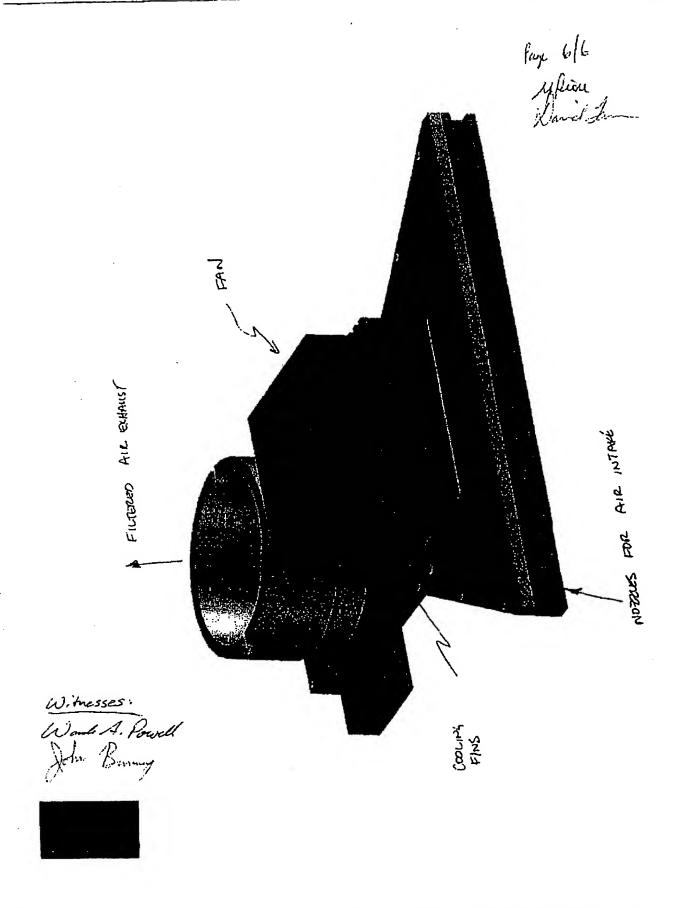


Witnosses: Wade A. Parell





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